Attorney Docket No.:	21419/90368	
Client Ref. No.:		

## DECLARATION AND POWER OF ATTORNEY -- PATENT APPLICATION

As a below named inventor, I hereby declare that I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought in the application entitled:

METHODS AND COMPOSITIONS TO IDENTIFY SWINE GENETICALLY RESISTANT TO FI	8 E.	COLI
ASSOCIATED DISEASES		

Ceheck one   Is attached hereto   X   was filed on   November 19, 1999   as	the specification of which						
United States Application Serial No. 09/443,766 or PCT International Application No. and was amended on (if applicable)  I hereby declare that I have reviewed and understand the contents of the above-identified specification, including the class amended by any amendment referred to herein.  I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Fe Regulations, §1.56.  I hereby claim foreign priority benefits under Title 35, United States Code, §119(a)-(d) of any foreign application(s) for por inventor's certificate on which priority is claimed (as listed below) and I have also identified below any foreign application for por inventor's certificate having a filing date before that of the application on which priority is claimed:  Prior-Foreign Application(s)  Priority Claim  PCT/US98/10318  May 20, 1998  X  Thereby claim benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) list below.  I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below an insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(b) which occurred between the filing date of the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(b) which occurred between the filing date of the prior the prior than the prior th	(check one)		is attached hereto				
PCT International Application No. and was amended on (if applicable)  I hereby declare that I have reviewed and understand the contents of the above-identified specification, including the class amended by any amendment referred to herein.  I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Fe Regulations, §1.56.  I hereby claim foreign priority benefits under Title 35, United States Code, §119(a)-(d) of any foreign application(s) for por inventor's certificate on which priority is claimed (as listed below) and I have also identified below any foreign application for por inventor's certificate having a filing date before that of the application on which priority is claimed:  Prior-Foreign Application(s)  Prior-Foreign Application(s)  Priority Claime  CT/US98/10318  May 20, 1998  X  I hereby claim benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) list below.  I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below are insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 12, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(b) which occurred between the filling date of the prior		Х	was filed on	Novem	ber 19, 1999		as
I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Fe Regulations, §1.56.  I hereby claim foreign priority benefits under Title 35, United States Code, §119(a)-(d) of any foreign application(s) for priority is critificate on which priority is claimed (as listed below) and I have also identified below any foreign application for priority is certificate having a filing date before that of the application on which priority is claimed:  Prior-Foreign Application(s)  Priority Claime  PCT/US98/10318  May 20, 1998  X  Priority Claime  I hereby claim benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) list below.  May 10, 1997  Application Number  I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(b) which occurred between the filing date of the prior		United	States Application So	erial No.	09/443,766		or
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or inventor's certificate on which priority is claimed (as listed below) and I have also identified below any foreign application for por inventor's certificate having a filing date before that of the application on which priority is claimed:  Prior-Foreign Application(s)  Priority Claima  PCT/US98/10318  May 20, 1998  X  No  (Number)  (Country)  (Day/Month/Year Filed)  Pes No  I hereby claim benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) list below.  May 10, 1997  Application Number  I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below are insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(b) which occurred between the filing date of the prior	I acknowledge the Regulations, §1.56.	ment refe e duty to	erred to herein.  disclose information ity benefits under Titl	which is a	material to patentability as defined in distance of the defined of defined in distance of the defined in distance of the defined in the defin	Title 37, Code	of Federal
PCT/US98/10318  May 20, 1998  X  Note the provisional application (s) list below.  I hereby claim benefit under Title 35, United States Code, § 119(e) of any United States provisional application (s) list below.  May 10, 1997  Application Number  I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application (s) listed below are insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(b) which occurred between the filing date of the prior	or inventor's certificate on v	which pri	ority is claimed (as list	ted below)	and I have also identified below any for	reign applicatio	n for patent
(Number) (Country) (Day/Month/Year Filed) Yes No.  I hereby claim benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) list below.  May 10, 1997  Application Number Filing Date  I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below are insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(b) which occurred between the filing date of the prior	Prior-Foreign Application(	s)				Priority	Claimed
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below.  60/047,181  May 10, 1997  Filing Date  I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below are insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(b) which occurred between the filing date of the prior					11,40) 20, 1990		
insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(b) which occurred between the filing date of the prior			(Country)				No
	(Number)  I hereby claim berbelow.  60/047,181	nefit und		May 1	(Day/Month/Year Filed)  § 119(e) of any United States provision  0, 1997	Yes	

Attorney Docket No.:	21419/90368
Client Ref. No.:	

I hereby appoint Alice O. Martin, Reg. No. 35601; William R. Coffey, Reg. No. 24023; Richard D. Conard, Reg. No. 27321; Steven R. Lammert, Reg. No. 27653; Richard A. Rezek, Reg. No. 30796; Timothy E. Niednagel, Reg. No. 33266; Jill L. Woodburn, Reg. No. 39874; Nancy J. Harrison, Reg. No. 27083; R. Trevor Carter, Reg. No. 40549; Dilip A. Kulkarni, Reg. No. 27510; David B. Quick, Reg. No. 31993; Jill T. Powlick, Reg. No. 42088; Norman J. Hedges, Reg. No. 44151; Perry Palan, Reg. No. 26213; Mark M. Newman, Reg. No. 31472; Bobby B. Gillenwater, Reg. No. 31105; Paul B. Hunt, Reg. No. 37154; Michael S. Gzybowski, Reg. No. 32816; Gerard T. Gallagher, Reg. No. 39679; Robert D. Null, Reg. No. 40746; and Gregory S. Cooper, Reg. No. 40965, as attorneys of record with full power of substitution and revocation, to prosecute this application, and to transact all business in the Patent and Trademark Office connected therewith, and I specify that communications regarding the application be directed to:

BARNES & THORNBURG 2600 Chase Plaza 10 South LaSalle Street Chicago, Illinois 60603 (312) 357-1313

information and belief are believed to be true; and further the statements and the like so made are punishable by fine or in	my own knowledge are true and that all statements made on that these statements were made with the knowledge that willful false apprisonment, or both, under Section 1001 of Title 18 of the United pardize the validity of the application or any patent issued thereon.
Full Name of Sole or First Joint Inventor	Country of Citizenship
Inventor's Signature	Date
Inventor's Signature	
Residence and Post Office Address	İ
Peter Vögeli	Switzerland
Full Name of Second Joint Inventor	Country of Citizenship
P. Vorli	January 25, 2000
Inventor's Signature	Date
Adamengaesschen Adamenghessdhen #12	
8180 Buelad Buelach Zurich SWITZERLAND	
Pasidance and Post Office Address	

Attorney Docket No.:	21419/90368	
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## DECLARATION AND POWER OF ATTORNEY -- PATENT APPLICATION

As a below named inventor, I hereby declare that I believe I am the original, first and sole inventor (*if only one name is listed below*) or an original, first and joint inventor (*if plural names are listed below*) of the subject matter which is claimed and for which a patent is sought in the application entitled:

METHODS AND	COMPOSITIONS '	TO IDENTIFY	SWINE	GENETICALLY	RESISTANT TO	O F18 E.	COLI
ASSOCIATED D	ISEASES						

ASSOCIATED DISEASI	ES					
the specification of which						
(check one)		is attached hereto				
	Х	was filed on	Novem	iber 19, 1999		as
	United	States Application S	erial No.	09/443,766		or
Side of the state	PCT In	ternational Applicati	on No.			<del></del>
100.	and wa	s amended on (if app	licable)			_
I hereby declare thas amended by any amendr			tand the co	ntents of the above-identified specifica	ition, including	g the claims
	duty to	disclose information	which is r	naterial to patentability as defined in	Title 37, Code	e of Federa
				d States Code, §119(a)-(d) of any foreig and I have also identified below any for		
94 <del>5</del>	-	-		ation on which priority is claimed:	oign appnoant	ni tor paten
् Prior Foreign Application(s	s)				Priority	Claimed
# PCT/US98/10318				May 20, 1998	X	
(Number)		(Country)		(Day/Month/Year Filed)	Yes	No
I hereby claim ben below.	efit unde	r Title 35, United Sta	ates Code,	§ 119(e) of any United States provisio	nal application	n(s) listed
60/047,181			May 10			
Application Number			Filing I	Date		
insofar as the subject matter manner provided by the first	r of each of st paragra itle 37, C	of the claims of this a ph of Title 35, Unite ode of Federal Regul	application d States Co lations, §1.	de, §120 of any United States applicat is not disclosed in the prior United Stode, §112, I acknowledge the duty to 656(b) which occurred between the filingplication:	ates applicatio	n in the
(Application Serial No.)		(Filing I	Date)	(Status-patented	, pending, aba	ndoned)

	Client Ref. No.:				
27321; Steven R. Lammert, Reg. No. 27653; Richard A. Rez Jill L. Woodburn, Reg. No. 39874; Nancy J. Harrison, Reg. No. 27510; David B. Quick, Reg. No. 31993; Jill T. Powlick, Reg. No. 26213; Mark M. Newman, Reg. No. 31472; Bobby Michael S. Gzybowski, Reg. No. 32816; Gerard T. Gallagher Cooper, Reg. No. 40965, as attorneys of record with full pow	William R. Coffey, Reg. No. 24023; Richard D. Conard, Reg. No. ek, Reg. No. 30796; Timothy E. Niednagel, Reg. No. 33266; No. 27083; R. Trevor Carter, Reg. No. 40549; Dilip A. Kulkarni, Reg. Reg. No. 42088; Norman J. Hedges, Reg. No. 44151; Perry Palan, B. Gillenwater, Reg. No. 31105; Paul B. Hunt, Reg. No. 37154; r, Reg. No. 39679; Robert D. Null, Reg. No. 40746; and Gregory S. ver of substitution and revocation, to prosecute this application, and to nected therewith, and I specify that communications regarding the				
BARNES & TI 2600 Chase Pla 10 South LaSa Chicago, Illino (312) 357-1313	aza Ile Street sis 60603				
information and belief are believed to be true; and further that is statements and the like so made are punishable by fine or important code, and that such willful false statements may jeopa	ny own knowledge are true and that all statements made on at these statements were made with the knowledge that willful false prisonment, or both, under Section 1001 of Title 18 of the United rdize the validity of the application or any patent issued thereon.				
Brad T. Bosworth	<u> </u>				
Full Name of Sole or First Joint Inventor Country of Citizenship					
3/1/1 /2	fab 15 2000				
Inventor's Signature  Al.c.a Court  Country Alice Alexander Alexan	Date				
Residence and Post Office Address					
Peter Vögeli	Switzerland				
Full Name of Second Joint Inventor	Country of Citizenship				
Inventor's Signature	Date				
Adamenghessdhen #12					
8180 Buelad Zurich SWITZERLAND					
Residence and Post Office Address	Morgentown KY 42261				

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